



CEB Press: Structural Components Assembly

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TOOLS:

- [Angle grinder \(1\)](#)
- [C-Clamps \(1\)](#)
- [MIG welder \(1\)](#)
- [Socket set and ratchet, or various wrenches \(1\)](#)
- [Vise clamps \(1\)](#)
- [torch \(1\)](#)



PARTS:

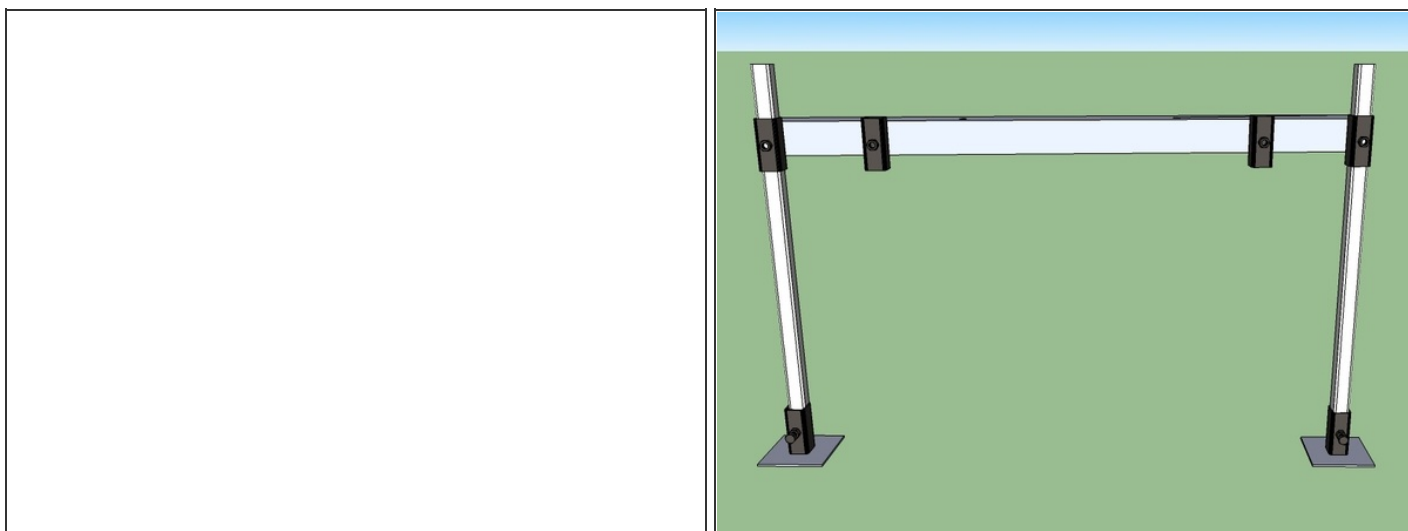
- [3/4"x1.5" bolt \(16\)](#)
[Primary arms to frame: 4, secondary arms to primary: 4, dirt keeper plate to primary arms: 4, Brickholder plate to primary arms: 4](#)
- [3/4" nuts \(17\)](#)
[Primary arms to frame: 4, secondary arms to primary: 4, dirt keeper plate to primary arms: 4, Brickholder plate to primary arms: 4](#)
- [3/4" washers \(16\)](#)

Step 1 — Position the main frame



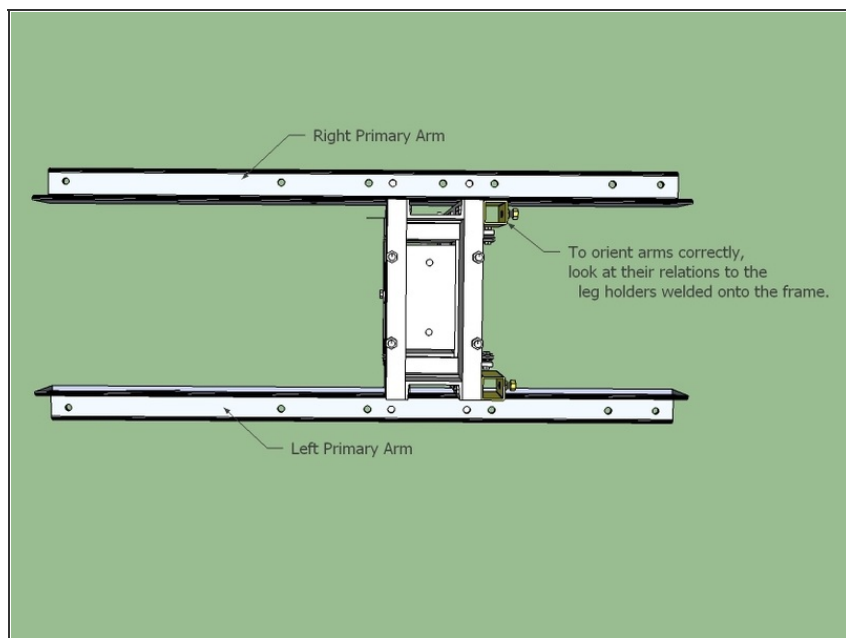
- Set the main frame somewhere on level ground where you have access to a welder and torch and where you have at least an 8' radius of empty space. The CEB takes up a lot of room!
- Set it so the cylinder pin is near the ground.

Step 2 — Assemble the Secondary Arms



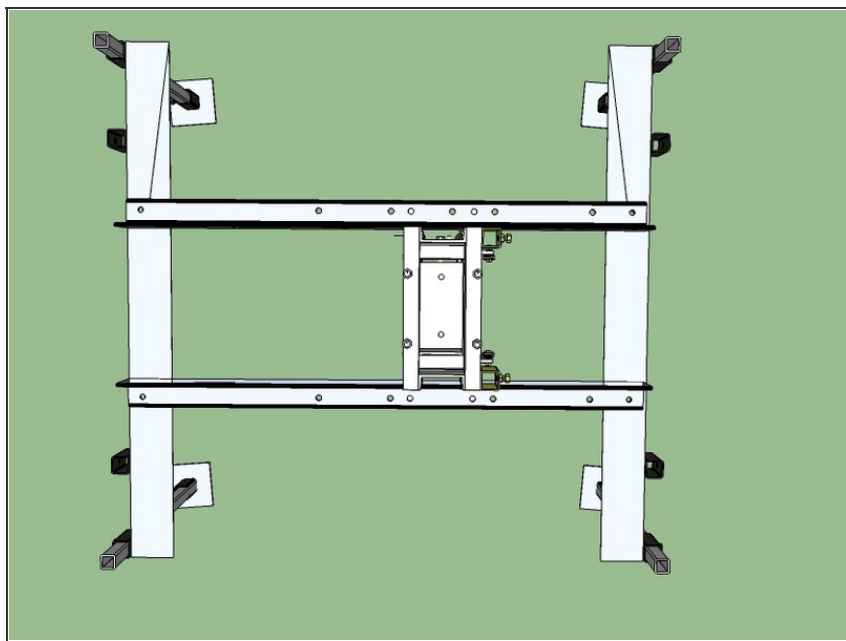
- Gather the secondary arms, the legs and the feet.
- Onto the end of each leg, tighten a foot to one of its ends. Get the bolt tight enough so it won't fall off.
- Insert one leg/foot into each of the outside leg holders on the secondary arms.
- Adjust the height so that the top of the secondary arms will be very close to the height at the bottom of the primary arms.
- Tighten the bolts in the leg holders so they are snug, but not too tight.

Step 3 — Place the Primary Arms



- Clamp them on the drawer members on the frame so that they are in the proper orientation. See image.
- If the machine is going to tip over, have a friend move the assembled secondary arms to support it so it doesn't tip.

Step 4 — Attach the secondary arms to the primary arms



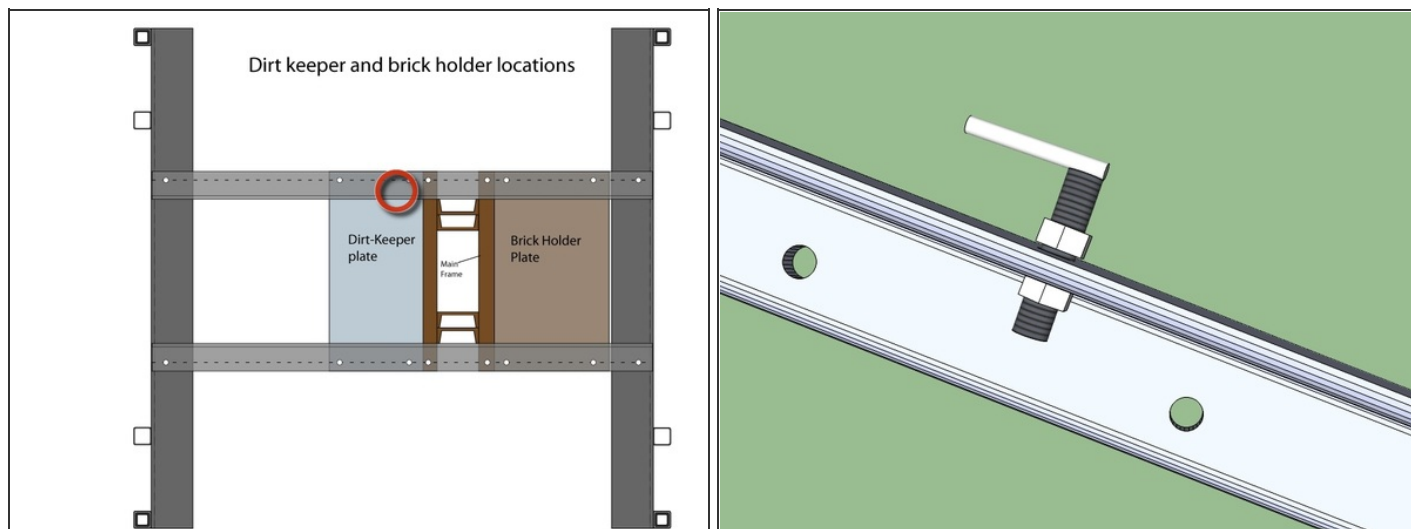
- Loosely bolt the 2 sets of arms together.
- You may need to loosen the clamps on the primary arms. This is OK.
- Make sure the arms are all square to each other.
- Tighten all bolts.
- Loosen the clamps attaching primary arms to the frame.
- Square the arms to the frame.

Step 5 — Attach the primary arms to the frame



- Torch the holes in the frame through the holes in the primary arms.
- Make sure bolts go through all holes
- Remove the clamps and grind away any slag
- Bolt the primary arms to the frame.

Step 6 — Install Brick Holder plate, Dirt keeper plate, and sensor holder



- The plates go on the bottom side of the primary arms.
- If not all the bolts go through, torch away whatever is preventing it.
- Bolt them down so the bolt head is on the top. Tighten the nuts snug.
- Install the sensor on the right primary arm. Its location is circled in the diagram.

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